



UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/241,413 02/02/99 SONG

C 0465-0552P-S

002292 LM12/0501
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EXAMINER

KOSTAK, V

ART UNIT

PAPER NUMBER

2711

DATE MAILED:

05/01/00

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/241,413

Applicant
Song

Examiner
Victor R. Kostak

Group Art Unit
2711



☐ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-23 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☒ Claim(s) 17-23 is/are allowed.

☒ Claim(s) 1-16 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☒ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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1. The drawings are objected to because in Fig. 5, "mapping" is misspelled (referring to element 322). Correction is required.

Applicant is required to submit a proposed drawing correction in reply to this Office action. However, formal correction of the noted defect can be deferred until the application is allowed by the examiner.

2. Claim 1 is objected to because of the following informalities: in line 9, "form" should be changed to --from--. Appropriate correction is required.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

"The received video signal" recited in the separating feature of claim 2 lacks antecedence, and the receiving function seems out of sequence relative to the other features in claim 2.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Donovan.

The video conversion system of Donovan (note particularly Figs. 11 and 15) enables conversion to a choice of television standards selectable by the operator (note Tables C and D). The operator applies at the input a selected VGA format (element 212 in Fig. 15) and a desired output format which is also selectable, to a controller 208. The controller of course recognizes the operation to be conducted "at the next time" (i.e. at any time subsequent to the application of the initially selected formats) based on the "present time" (i.e. initial and/or thereafter the current application of the selected formats), and accordingly applies the required format conversion processing to element 206 which carries out the conversion based on both the input and output formats, thereby meeting claim 1.

As for claim 2, Donovan separates the composite video signal into luminance (Y) and chrominance (U and V) components (Fig. 11), and uses separate conversion circuitry for the components (e.g. Figs. 16, 23, 24).

As for claim 3, Fig. 14 shows a delay (line store) for the input luminance signal and continues to receive subsequent luminance data, and Donovan applies a calculated ratio defined by numerator M and denominator N (Col. 11 line 23+), which relates the input value "a" to the desired output value "b" to the conversion elements (e.g. 208, 206), which one of ordinary skill in

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the art can consider or designate as "operand mapping" circuitry (Donovan also describes ALU elements in Fig. 11 for carrying out the conversion process).

Regarding claim 4, Donovan describes plural arrangements (Figs. 16, 22, 23) which include plural multiplexers for carrying out the conversion process involving the initial (delayed) input luminance and subsequent luminance signals which are processed according to the input and output operand values "a" and "b".

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is informed that Gray and Horii are very pertinent to at least claims 1-3.

6. Claims 5-23 appear allowable over the prior art.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor R. Kostak whose telephone number is (703) 305-4374. The examiner can normally be reached on Monday - Friday from 6:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew I. Faile, can be reached on (703) 305-4380.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

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Commissioner of Patents and Trademarks

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or faxed to:

(703) 305-9051, (for formal communications intended for entry)

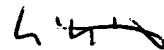
Or:

(703) 308-5359 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal
Drive, Arlington, VA., Sixth Floor (Receptionist).

Victor R. Kostak
Primary Examiner



VRK
April 27, 2000